

AC AND DC OUTPUT UNREGULATED ADAPTERS

Standard Products, North American Applications, Input 120VAC, 60Hz

APX Manufactures a comprehensive family of standard adapters. A representative list is shown here...

Bold face listings are generally readily available from distribution. These are off-the-shelf standard, wall plug-ins with 2.5 x 5.5 x 11mm female connectors. Many in-between voltages and currents are also available, with safety agency approvals. Where indicated, desk top cases are available by adding "D" to the part model number. All are available with a variety of output connectors.

Consult your APX representative for international input voltage types and options.



AC to AC Adapters

OUTPUT VAC	CASE	SIZE	MODEL	UL	CSA/CUL
4.5 @ 300mA	WPI	35	APA0403	X	X
4.5 @ 500	WPI	35	APA0405	X	X
4.5 @ 1200	WPI,DT	41	APA0412	X	X
6 @ 200	WPI	35	APA0602	X	X
6 @ 400	WPI	35	APA0604	X	X
6 @ 800	WPI,DT	41	APA0608	X	X
6 @ 1200	WPI,DT	41	APA0612	X	X
6 @ 1500	WPI,DT	48	APA0615	X	X
7.5 @ 200	WPI	35	APA0702	X	X
7.5 @ 400	WPI	35	APA0704	X	X
7.5 @ 600	WPI,DT	41	APA0706	X	X
7.5 @ 1000	WPI, DT	41	AP3379W	X	X
7.5 @ 1200	WPI,DT	41	APA0712	X	X
9 @ 200	WPI	35	APA0902	X	X
9 @ 300	WPI	35	APA0903	X	X
9 @ 400	WPI	35	AP2855	X	X
9 @ 600	WPI,DT	41	APA0906	X	X
9 @ 700	WPI,DT	41	APA0907	X	X
9 @ 1000	WPI, DT	41	AP3141W	X	X
9 @ 1200	WPI,DT	48	APA0912	X	X
9 @ 1500	WPI	57	AP3305W	X	X
12 @ 150	WPI	35	APA1201	X	X
12 @ 200	WPI	35	APA1202	X	X
12 @ 300	WPI	35	AP3070W	X	X
12 @ 500	WPI,DT	41	AP3405	X	X
12 @ 800	WPI, DT	41	AP3378W	X	X
12 @ 1000	WPI, DT	48	AP1795W	X	X
12 @ 1670	WPI	57	AP2013W	X	X
12 @ 4500	DT	66	AP1985	X	X
13.5 @ 1000	WPI,DT	48	APA1310	X	X
14 @ 2800	WPI	57	AP3125	X	X
15 @ 200	WPI	35	APA1502	X	X
15 @ 500	WPI, DT	41	AP3377W	X	X
15 @ 600	WPI,DT	41	AP2540	X	X
15 @ 700	WPI,DT	48	APA1507	X	X
15 @ 1000	WPI	57	APA1510	X	X
18 @ 200	WPI	35	APA1802	X	X
18 @ 500	WPI,DT	41	APA1805	X	X
18 @ 600	WPI,DT	48	APA1806	X	X
18 @ 1000	WPI	57	APA1810	X	X
19.5 @ 800	WPI	57	AP2513W	X	X
22 @ 1500	DT	57	AP2217	X	X
24 @ 150	WPI	35	APA2401	X	X
24 @ 400	WPI,DT	41	APA2404	X	X
24 @ 570	WPI, DT	48	AP3376W	X	X
26 @ 2250	DT	66	AP3569W	X	X

Case designations: WPI = Wall Plug-In
DT = Desk Top (cable to cable)

AC to DC Adapters

OUTPUT VDC	CASE	SIZE	MODEL	UL	CSA/cUL
3 @ 500mA	WPI	35	APD0305	X	X
3 @ 1500	WPI,DT	41	APD0315	X	X
4.2 @ 100	WPI	35	APD0401	X	X
4.5 @ 500	WPI	35	APD0405	X	X
4.5 @ 1200	WPI,DT	41	APD0412	X	X
6 @ 200	WPI	35	APD0602	X	X
6 @ 400	WPI	35	AP3155W	X	X
6 @ 800	WPI,DT	41	APD0608	X	X
6 @ 1000	WPI, DT	41	AP3374W	X	X
6 @ 1200	WPI,DT	48	APD0612	X	X
6 @ 1500	WPI,DT	48	APD0615	X	X
7.5 @ 200	WPI	35	APD0702	X	X
7.5 @ 400	WPI	35	APD0704	X	X
7.5 @ 600	WPI,DT	41	APD0706	X	X
7.5 @ 900	WPI,DT	41	APD0709	X	X
7.5 @ 1200	WPI,DT	48	APD0712	X	X
8 @ 1200	WPI,DT	48	APD0812	X	X
9 @ 200	WPI	35	AP2911	X	X
9 @ 300	WPI	35	APD0903	X	X
9 @ 400	WPI	35	APD0904	X	X
9 @ 500	WPI, DT	41	AP1325W	X	X
9 @ 700	WPI,DT	41	APD0907	X	X
9 @ 800	WPI,DT	41	APD0908	X	X
9 @ 1000	WPI, DT	48	AP2072W	X	X
9 @ 1200	WPI,DT	48	APD0912	X	X
9 @ 1500	WPI	57	APD0915	X	X
10 @ 1000	WPI,DT	48	APD1010	X	X
12 @ 100	WPI	35	APD1201	X	X
12 @ 300	WPI	35	AP2974W	X	X
12 @ 500	WPI, DT	41	AP3745W	X	X
12 @ 600	WPI, DT	41	AP3375W	X	X
12 @ 800	WPI,DT	48	APD1208	X	X
12 @ 1000	WPI, DT	48	AP3745W	X	X
12 @ 1500	WPI	57	AP1828W	X	X
12 @ 2500	DT	66	AP2410	X	X
13 @ 700	WPI,DT	48	APD1307	X	X
13.5 @ 1300	WPI	57	APD1313	X	X
15 @ 200	WPI	35	APD1502	X	X
15 @ 400	WPI, DT	41	AP2848W	X	X
15 @ 700	WPI,DT	48	APD1507	X	X
15 @ 900	WPI	57	AP2637W	X	X
15 @ 1000	WPI	57	APD1510	X	X
15 @ 2000	DT	66	AP2783	X	X
18 @ 200	WPI	35	APD1802	X	X
18 @ 400	WPI,DT	41	AP2925	X	X
18 @ 600	WPI,DT	48	APD1806	X	X
18 @ 800	WPI	57	AP2990W	X	X
18 @ 1000	WPI	57	APD1810	X	X
24 @ 100	WPI	35	APD2401	X	X
24 @ 300	WPI,DT	41	APD2403	X	X
24 @ 570	WPI, DT	48	AP2654W	X	X
26 @ 750	WPI	57	AP3029W	X	X

17

POWER SUPPLIES & CONDITIONERS



Introduction

APX has been a leading innovator and supplier of transformers and external power supplies for over twenty years, a global manufacturer with local engineering support. APX is headquartered in New York with national representation and distribution.

Contact us today for your representative or local distributor to discuss your needs.

Products

Audio Transformers
Telecom Coupling Transformers
Modem Transformers
Power Transformers

Pulse Transformers
HF Transformers and Toroids
AC Output Adapters
DC Output Adapters

Regulated Linear Power Supplies
Battery Chargers
International Power Supplies
External Switchmode Power

Capabilities

We have successfully supported our client base for 20 years with:

- Design and Engineering
- Product and Application Analysis
- Custom Tooling and Package Molding
- Safety Agency Certification

SWITCHING POWER

Wall Plug-in



0-10 Watts Output

Power Strip Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro-plug, 90-264 VAC input:
Add suffix E to part number

Output Volts DC	Current	Part Number
5V	0-1.60A	SP1005
6V	0-1.33A	SP1006
7.5V	0-1.06A	SP1007
9V	0-1.33A	SP1006
12V	0-0.83A	SP1012
15V	0-0.66A	SP1015
18V	0-0.56A	SP1018
24V	0-0.42A	SP1024

Size: 56L x 44W x 27.5H

Specifications:

Input

Input Voltage: 90 To 264VAC for all desk-top supplies, and Wall plug-in with Euro connector input
US Blade wall plug-ins - 90-132VAC

Input Frequency: 47 To 63Hz

Will operate to 440Hz: all desk-top supplies from 15 Watts through 60 Watts
All others - 47 To 63Hz

Input Currents:

10 Watts .3A Max (RMS) At 115VAC
15 Watts .4A Max (RMS) At 115VAC
24 Watts .7A Max (RMS) At 115VAC
40 Watts 1.0A Max (RMS) At 115VAC
50 Watts 1.6A Max (RMS) At 115VAC
60 Watts 1.6A Max (RMS) At 115VAC

Safety ground leakage current:

0.75mA @ 240 VAC 50Hz

Output

Regulation:

Line +/-0.5% maximum at full load
Load +/-5% maximum on all outputs

Ripple:

1% Peak to Peak maximum

0-10 Watts Output

Wall Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro-plug, 90-264 VAC input:
Add suffix E to part number

Output Volts DC	Current	Part Number
5V	0-2.00A	SP1105
6V	0-1.50A	SP1106
7.5V	0-1.30A	SP1107
9V	0-1.20A	SP1109
12V	0-1.00A	SP1112
15V	0-0.80A	SP1115
18V	0-0.60A	SP1118
24V	0-0.40A	SP1124

Size: 74L x 50W x 41H

Overvoltage Protection:

112 - 132% of nominal output voltage

Overcurrent Protection:

Protected to short circuit conditions

Temperature Coefficient:

+/- 0.04% / °C maximum

Transient Response:

Maximum excursions of 4% or better on all models, recovering to 1% of final value within 500us max after a 25% step load change

Environmental

Operating Temperature:

0°C To 70°C for all desk tops from 15 Watts, derated from 100% at +40°C linearly to 50% at +70°C.
0°C To 50°C for all wall plug-ins and SP1900 series 10 Watt desk-top

Storage Temperature:

-40°C to +85°C

Relative Humidity:

5% to 95°C non-condensing

General

Efficiency:

70% minimum at full output typical

Hold-up Time:

5msec minimum typical

0-20 Watts Output

Wall Plug-in

North American 2 blade input, 90-132 VAC
Available with Euro, British, and Australian plugs, 90-264 VAC input:
Add suffix E, B or A, respectively.

Output Volts DC	Current	Part Number
5V	0-3.50A	SP3105
6V	0-2.50A	SP3106
7.5V	0-2.50A	SP3107
9V	0-2.00A	SP3109
12V	0-1.60A	SP3112
15V	0-1.30A	SP3115
18V	0-1.00A	SP3118
24V	0-0.80A	SP3124

Size: 84L x 56W x 50H

Inrush Current:

15 Amps @ 115VAC, Or 30 Amps @ 230 VAC at 25°C Cold Start

Withstanding Voltage:

3000 VAC from input to output,
1500 VAC from input to ground.
500 VAC from output to ground

Insulation Resistance:

50 Mohm minimum from output to ground

Mean Time Between Failure:

100,000 hours minimum at full load at 25°C ambient

EMI Requirements:

Meets conduction limits of (A) FCC 20780 Class B (B) CISPR 22 Class B

Safety Requirements:

Meets or exceeds (A) UL 1950 (B) CSA C22.2 no. 234 IEC 60950 per TUV

Safety Approvals:

UL/CSA or cUL/CE/TUV

EXTERNAL SWITCHING POWER SUPPLIES

Universal Input Desk-Top 10 to 60 Watts, 90 to 264VAC, 47 to 63Hz.

17

POWER SUPPLIES & CONDITIONERS



10 Watts Output

Output Volts DC	Current	Part Number
5V	0-1.50A	SP1905
6V	0-1.50A	SP1906
7.5V	0-1.20A	SP1907
9V	0-1.00A	SP1909
12V	0-1.00A	SP1912
15V	0-0.80A	SP1915

Size: 74L x 49W x 41H

*SP19XX family has IEC 320-C14, 3 blade input. For 2 Pin IEC 320 input, add suffix C8 to part number.

15 Watts Multiple Output

Output Volts DC	Current	Part Number
5V	0-1.00A	SP2970
+12V	0-0.25A	
-12V	0-0.25A	
5V	0-1.00A	SP2974
+15V	0-0.40A	
-15V	0-0.40A	

Size: 106L x 66W x 38H

40 Watts Output

Output Volts DC	Current	Part Number
5V	0-6.00A	SP7905
6V	0-5.50A	SP7906
7.5V	0-4.40A	SP7907
8V	0-4.12A	SP7908
9V	0-4.22A	SP7909
12V	0-3.33A	SP7912
13.5V	0-2.96A	SP7913
15V	0-2.67A	SP7915
18V	0-2.22A	SP7918
24V	0-1.67A	SP7924
30V	0-1.33A	SP7930
40V	0-1.00A	SP7940
5V	.3-3.50A	SP7905
12V	.1-2.00A	
15V	.1-1.80A	
5V	.3-3.50A	SP7954
24V	.1-1.00A	
5V	.3-3.50A	
+12V	.1-2.00A	SP7970
-12V	.1-0.80A	
-15V	.1-0.80A	
5V	.3-5.00A	SP7971
+12V	.1-1.00A	
-12V	.1-0.30A	
5V	.3-3.50A	SP7974
+15V	.1-1.50A	
-15V	.1-0.80A	
5V	.3-3.00A	SP7977
+12V	.1-1.80A	
-5V	.1-0.50A	
5V	.3-4.00A	SP7978
+15V	.1-1.00A	
-5V	.1-1.00A	

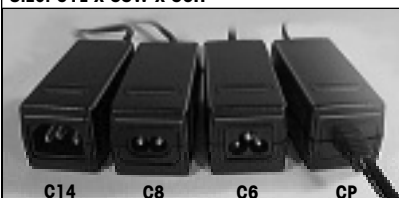
Size: 146L x 76W x 43.5H



15 Watts Flexport

Output Volts DC	Current	Part Number
3V	0-2.50A	SP2903
5V	0-2.00A	SP2905
6V	0-1.66A	SP2906
7.5V	0-1.33A	SP2907
8V	0-1.88A	SP2908
9V	0-1.67A	SP2909
12V	0-1.25A	SP2912
13.5V	0-1.11A	SP2913
15V	0-1.00A	SP2915
18V	0-0.83A	SP2918
24V	0-0.63A	SP2924
30V	0-0.50A	SP2930
40V	0-0.38A	SP2940

Size: 91L x 38W x 36H



C14 3 blade IEC 320-C14
C8 2 Pin IEC 320-C8
C6 3 Pin IEC 320-C6
CP Cord and Plug

To designate input style other than standard IEC 320-C14, add suffix to part number: C8 for 2 pin, C6 for 3 pin,

CP for cord and plug together with country of usage plug style.
IE: 5VDC Flexport with IEC 320-C8 input-order as SP2905C8

24 Watts Output

Output Volts DC	Current	Part Number
5V	0-4.00A	SP4905
6V	0-3.33A	SP4906
7.5V	0-2.66A	SP4907
8V	0-2.50A	SP4908
9V	0-2.00A	SP4909
12V	0-1.66A	SP4912
13.5V	0-1.77A	SP4913
15V	0-1.60A	SP4915
18V	0-1.33A	SP4918
24V	0-1.00A	SP4924
30V	0-0.80A	SP4930
40V	0-0.60A	SP4940

Size: 91L x 38W x 36H



50 Watts Output

Output Volts DC	Current	Part Number
5V	0-8.00A	SP8905
6V	0-7.00A	SP8906
7.5V	0-6.00A	SP8907
8V	0-5.60A	SP8908
9V	0-5.00A	SP8909
12V	0-4.16A	SP8912
13.5V	0-3.70A	SP8913
15V	0-3.33A	SP8915
18V	0-2.77A	SP8918
24V	0-2.08A	SP8924
30V	0-1.66A	SP8930
40V	0-1.25A	SP8940
48V	0-1.04A	SP8948

Size: 146L x 76W x 43.5H

60 Watts Output

Output Volts DC	Current	Part Number
5V	0-10.00A	SP9905
6V	0-8.33A	SP9906
7.5V	0-7.33A	SP9907
9V	0-6.50A	SP9909
12V	0-5.00A	SP9912
13.5V	0-4.44A	SP9913
15V	0-4.00A	SP9915
18V	0-3.33A	SP9918
24V	0-2.50A	SP9924
30V	0-2.00A	SP9930
40V	0-1.50A	SP9940
48V	0-1.25A	SP9948

Size: 146L x 76W x 43.5H





REGULATED LINEAR EXTERNAL POWER SUPPLIES

APX Manufactures a comprehensive range of linear, regulated power supplies, and with the extensive options available we can optimize a design to your applications.



Benefits

- Regulation is external to your product. You reduce size, weight, heat and increase reliability.
- Removes line voltage from your product, simplifying safety issues.
- You can market your product worldwide without modification, and can update or redesign without safety agency issues. They are our responsibility.

Typical Features & Specifications

- Single or multiple outputs
- Typical North American input: 120VAC +/-10%,60Hz
- Typical line regulation: less than 1%
- Typical load regulation: less than 5%
- No minimum load requirement for regulation
- Very low noise, typically 10mV peak to peak
- Inherently low EMI, RFI
- Typical operating temperature: 0 to 40 degrees C
- One Year Warranty

A representative list is presented here of standard models, readily available from distribution.

NORTH AMERICAN APPLICATION 120VAC 60HZ INPUT

Consult your APX representative for international input voltage types and options.

Bold face listings are generally readily available from distribution.

Standard Single Output

Part Number	DC O/P 1	Case	Size	Agency*			
				UL	CSA	NRTL	C
AP2771W	+5V @ 300mA	WPI	41	X	X		
AP3291W	+5V @ 600mA	WPI	48	X	X		
AP3360W	+5V @ 1000mA	WPI,DT	48	X	X		
AP3370W	+5V @ 1500mA	WPI,DT	57	X	X		
AP3549	+5V @ 1750mA	DT	57	X	X		
AP2990	+8V @ 700mA	WPI	48			X	X
AP2107W	+9V @ 500mA	DT	48			X	X
AP3551	+9V @ 700mA	WPI	48			X	X
AP3390W	+9V @ 1000mA	WPI	57	P	P		
AP2164W	+12V @ 500mA	WPI,DT	48	X	X		
AP3550W	+12V @ 1000mA	WPI	57	X	P		
AP3720W	+12V @ 1200mA	DT	60	X	P		
AP3380	+15V @ 1000mA	DT	60	P	P		
AP1957W	+24V @ 250mA	DT	48	X	P		

Standard Dual Output

Part No.	DC O/P 1	DC O/P 2	Case	Size	Agency*	
					UL	CSA
AP3552	5V @ 400mA	+12V @ 800mA	DT	57	X	X
AP3810	+5V @ 500mA	+10V @ 100mA	WPI	48	X	X
AP3236	+5V @ 600mA	+12V @ 1000mA	DT	60	X	X
AP3555W	+5V @ 1000mA	+12V @ 400mA	DT	57	X	X
AP3553	+5V @ 1500mA	+12V @ 200mA	DT	57	X	X
AP3606W	+5.1V @ 750mA	+12V @ 700mA	DT	60	X	X
AP3554	+6.25V @ 500mA	+12V @ 700mA	DT	57	X	X
AP1914W	+6.25V @ 1000mA	+12V @ 500mA	DT	57	X	X
AP3556	+6.25V @ 1750mA	+12V @ 100mA	DT	57	X	X
AP3166	+15V @ 600mA	-15V @ 600mA	DT	66	P	P

Standard Triple Output

Part No.	DC O/P 1	DC O/P 2	DC O/P3	Case	Size	Agency*	
						UL	CSA
AP3718W	+5V @ 450mA	+12V @ 100mA	-12V @ 100mA	WPI	48	X	X
AP3263W	+5V @ 700mA	+12V @ 400mA	-12V @ 100mA	DT	60	X	P
AP2808W	+5V @ 800mA	+12V @ 300mA	-12V @ 300mA	WPI	57	X	X
AP3271W	+5V @ 1100mA	+12V @ 900mA	-12V @ 100mA	DT	66	X	X
AP3363W	+5V @ 1000mA	+12V @ 500mA	-12V @ 500mA	DT	66	X	X
AP3665	+5V @ 1500mA	+12V @ 1100mA	-12V @ 100mA	DT	66	X	X
AP2700W	+5V @ 500mA	+15V @ 200mA	-15V @ 200mA	WPI	57	P	P
AP2844	+5V @ 1000mA	+15V @ 120mA	-15V @ 120mA	WPI	57	P	P
AP2759	+5V @ 1000mA	+15V @ 400mA	-15V @ 400mA	DT	66	P	P
AP3039	+5V @ 1500mA	+15V @ 500mA	-15V @ 200mA	DT	66	P	P
AP3297	+8V @ 850mA	+12V @ 150mA	-12V @ 150mA	DT	48	X	X

Higher current output available as regulated switchmode supply — consult sales.

*P = Pending



REGULATED LINEAR EXTERNAL POWER SUPPLIES

International Application 230VAC, 50Hz Input

All European and Pacific Rim input voltages and plugs available.
Consult your APX representative for availability of international input unregulated adapters.

Bold face listings are generally readily available from distribution.

Standard Single Output

Part Number	Output	Case	Size	Agency*
AP2771EW	5V @ 300mA	DT	48	TUV
AP2703EW	5V @ 750mA	DT	48	TUV
AP2865EW	12V @ 300mA	WPI	48	TUV
AP3820EW	12V @ 1200mA	DT	60	TUV

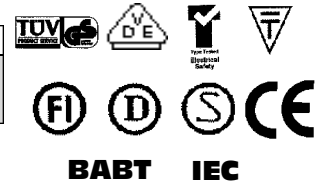
Standard Dual Output

Part No.	Output 1	Output 2	Case	Size	Agency*
AP3237E	+5V @ 500mA	+12V @ 100mA	DT	48	P
AP3548E	+5V @ 600mA	+12V @ 1000mA	DT	60	TUV
AP3606E	+5V @ 750mA	+12V @ 700mA	DT	60	TUV
AP3166E	+15V @ 600mA	-15V @ 600mA	DT	66	TUV

Standard Triple Output

Part Number	Output 1	Output 2	Output 3	Case	Size	Agency*
AP2583EW	+5V @ 450mA	+12V @ 100mA	-12V @ 100mA	DT	EI48	TUV
AP3264EW	+5V @ 700mA	+12V @ 400mA	-12V @ 100mA	DT	EI60	TUV
AP3272EW	+5V @ 1100mA	+12V @ 900mA	-12V @ 100mA	DT	EI66	TUV

Higher current available as regulated switchmode supply — consult sales. *P = Pending



CUSTOM DESIGN

We are external power supply specialists and provide product development and excellence, to uniquely optimize to your needs, and at a very effective cost.



CUSTOM OPTIONS INCLUDE:

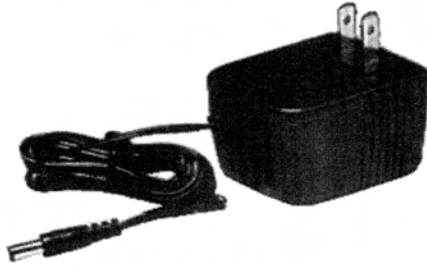
- Single or multiple outputs
- All European and Pacific Rim input voltages and plugs available
- IEC-320 input
- International plug styles
 - Molded in base of wall plug-in or
 - Cord-set input on desk top units
 - Available for all countries
- Switchable input
- Ground to core and/or output
- Power-on switch
- Power-on LED
- Screw-down mounting tabs on desk top case
- Center tap designs available on AC output models
- RF/EMI and transient protection
- Custom tooling and molding available for cases, as well as output connectors for your product interface
- Custom colors for cases and cables
- Custom labels with your artwork
- Externally resettable circuit breaker
- Output connector filtering for EMI containment
- Huge variety of input and output voltage combinations
- Huge variety of output connectors
- Special designs to medical/dental UL544 standards

17

POWER

SUPPLIES & CONDITIONERS

DOMESTIC WALL PLUG-IN POWER SOURCES INPUT 120 V, 60 Hz



UL Listed

Mfg. No.	Rated Output		Size Code
	Volts	mA	

AC-DC UNREGULATED MODELS

STA-3530A	3.0 DC	400	1
STA-3530	3.0 DC	500	1
STA-3540	4.4 DC	400	1
STA-3560B	6.0 DC	100	1
STA-3560	6.0 DC	200	1
STA-3560A	6.0 DC	300	1
STA-4160	6.0 DC	600	2
STA-4160A	6.0 DC	800	2
STA-4860	6.0 DC	1000	3
STA-4860A	6.0 DC	1200	3
STA-5760	6.0 DC	2000	4
STA-3575	7.5 DC	100	1
STA-3575A	7.5 DC	300	1
STA-4175A	7.5 DC	500	2
STA-4875	7.5 DC	1000	3
STA-5775	7.5 DC	1500	4
STA-3590B	9.0 DC	100	1
STA-3590	9.0 DC	200	1
STA-3590A	9.0 DC	300	1
STA-4190A	9.0 DC	500	2
STA-4190F	9.0 DC	700	2
STA-4890	9.0 DC	1000	3
STA-4890A	9.0 DC	1200	3
STA-3512	12.0 DC	50	1
STA-3512C	12.0 DC	100	1
STA-3512B	12.0 DC	200	1
STA-4112B	12.0 DC	300	2
STA-4112	12.0 DC	400	2
STA-4112C	12.0 DC	500	2
STA-4812D	12.0 DC	600	3
STA-4812A	12.0 DC	1000	3
STA-5712	12.0 DC	1200	4
STA-4812	12.5 DC	800	3
STA-5713	13.5 DC	1300	4
STA-5713A	13.5 DC	1700	4
STA-4814	14.5 DC	800	3
STA-4815	15.0 DC	600	3
STA-5715	15.0 DC	1000	4
STA-3518	18.5 DC	80	1
STA-4120	20.0 DC	280	2
STA-3524	24.0 DC	50	1

AC-DC REGULATED MODELS

STA-4130*	3.0 DC	350	2
STA-4850	5.0 DC	600	9
STA-4190C*	9.0 DC	200	2
STA-4890B	9.0 DC	400	9
STA-4110A	10.0 DC	300	2
STA-300R	12.0 DC	200	2

AC-AC MODELS

STA-3545B	4.5 AC	300	1
STA-4190B	9.0 AC	300	2
STA-4190D	9.0 AC	500	2
STA-4110	10.0 AC	700	2
STA-3512E*	12.0 AC	100	1
STA-3512F*	12.0 AC	200	1
STA-4112A	12.0 AC	500	2
STA-4812B*	12.0 AC	850	3
STA-4116	16.0 AC	250	2
STA-4118*	18.0 AC	300	2
STA-4820*	20.0 AC	700	3
STA-4124	24.0 AC	300	3
STA-4824B	24.0 AC	450	3

AC-DC UNREGULATED DESK TOP MODELS

STA-6690	9.0 DC	3000	7
STA-6612	12.0 DC	2000	7
STA-6612A	12.0 DC	2500	7
STA-6612B	12.0 DC	3000	7
STA-5713AC	13.5 DC	1700	4
STA-6013A	13.5 DC	2100	5
STA-6613	13.5 DC	2400	7
STA-6615	15.0 DC	2000	7

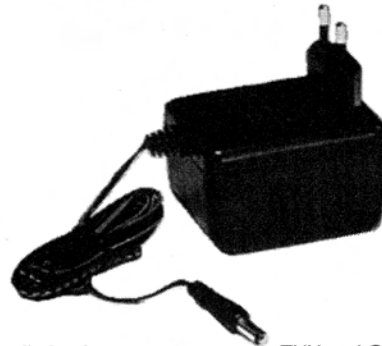
Mfg. No.	Rated Output		Size Code
	Volts	mA	
STA-6618	18.0 DC	2000	7
STA-6624	24.0 DC	1500	7

AC-AC DESK TOP MODELS

STA-5760A*	6.0 AC	3300	4
STA-5790	9.0 AC	3400	4

*UL listed.

EUROPEAN WALL PLUG-IN POWER SOURCE INPUT 230 V, 50 Hz



All European wall plug-in power sources are TUV and C.E certified.

Mfg. No.	Rated Output		Size Code
	Volts	mA	

AC-DC UNREGULATED MODELS

STAF-3924F	4.5 DC	350	6
STAF-1847F	4.8 DC	500	2
STAF-1848F	5.2 DC	1000	3
STAF-0381F	6.0 DC	500	2
STAF-0797F	6.0 DC	1000	3
STAF-2100F	6.2 DC	300	6
STAF-0834F	6.2 DC	350	2
STAF-2243F	7.5 DC	300	2
STAF-2223F	9.0 DC	200	6
STAF-3309F	9.0 DC	300	2
STAF-1058F	9.0 DC	500	2
STAF-0329F	9.0 DC	1000	3
STAF-3382F	12.0 DC	300	2
STAF-2343F	12.0 DC	500	3
STAF-1454F	12.0 DC	1000	4
STAF-1948F	12.0 DC	1200	4
STAF-0460F	12.6 DC	800	3
STAF-1059F	13.5 DC	1300	4
STAF-0354F	14.5 DC	800	3

AC-AC MODELS

STAF-1433F	2.9 AC	320	6
STAF-2099F	3.0 AC	120	6
STAF-0418F	4.5 AC	120	6
STAF-0437F	9.0 AC	130	6
STAF-2098F	24.0 AC	400	3

AC-DC UNREGULATED DESKTOP MODELS

STAF-2134F	13.5 DC	1700	5
STAF-3775F	13.5 DC	2100	8
STAF-3777F	13.5 DC	2400	8
STAF-3613F	14.0 DC	1400	5
STAF-1972F	15.0 DC	1000	4

DOMESTIC AND EUROPEAN

MODEL SIZE CHART

Size Code	L (In.)	W (In.)	H (In.)
1	2.2	1.7	1.5
2	2.5	2.0	1.6
3	2.8	2.2	1.9
4	3.3	2.5	2.2
5	3.7	2.8	2.2
6	2.2	1.7	1.4
7	4.7	3.1	2.6
8	4.7	3.2	2.6
9	3.5	2.4	1.9

OUTPUT TERMINATIONS

Compatible with Switchcraft PC-722A or 722A with 6 ft. output cord. Secondary plug size 2.1 x 5.5 mm. AC-DC models wired outside-positive; inside-negative.

17

POWER SUPPLIES & CONDITIONERS

STAR SERIES DESK TOP REGULATED POWER SOURCES



Reliable, regulated DC power supplies designed to keep operating heat away from components. Common applications for computers and peripherals, test equipment, modems, telephone answering machines, security systems, data communication products and cordless telephones. The Star Series of power supplies provides line filtering, short circuit and thermal protection. Single and Multiple outputs are available with 6' input and 6' output cords standard. 3 prong grounded input plug and rated for continuous duty. UL 1310 Listed, File No. E112433.

Specifications

Input Voltage: 120 VAC $\pm 10\%$ 60 Hz.

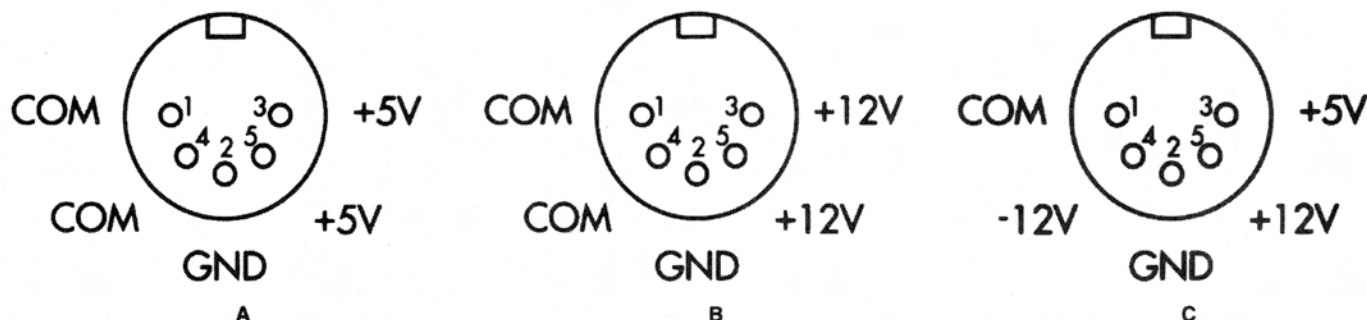
Combined Regulation: $\pm 5\%$.

Output Ripple: 50 mV max. (peak to peak).

Operating Temperature: -10°C to $+40^{\circ}\text{C}$.

Dielectric Test: 1500 VAC, rms.

Size: $4\frac{3}{4}$ " long $\times$ $3\frac{1}{8}$ " wide $\times$ $2\frac{1}{2}$ " high.



Mfg. No.	Outputs		
	1	2	3
STAR-9001*	+5 VDC, 1.0A		
STAR-9002*	+5 VDC, 1.5A		
STAR-9003†	+12 VDC, 1.0A		
STAR-9004†	+12 VDC, 1.2A		
STAR-9005‡	+5 VDC, 0.8A	+12 VDC, 0.2A	-12 VDC, 0.2A
STAR-9006‡	+5 VDC, 1.0A	+12 VDC, 0.2A	-12 VDC, 0.2A
STAR-9007‡	+5 VDC, 1.0A	+12 VDC, 0.3A	-12 VDC, 0.3A

*5 PIN DIN secondary connection, see figure A.

†5 PIN DIN secondary connection, see figure B.

‡5 PIN DIN secondary connection, see figure C.